

Chemical Effects of Reactions, by A. N. ^d Murin.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 2, 1957,
pp 164-175.

Tech and Com

Sci - Chem

Apr 58

62,254

Catalytic Conversion of Individual Hydrocarbons
and Their Natural Mixtures (Gasoline and Ligroine)
and Pressure of Hydrogen, by Kh. M. Minachev.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 2, 1957,
pp 176-211.

Tech and Com

Sci - Chem

Apr 58

62,255

Isomerization Reaction in the Butene Series, by Ya.
T. Eidus.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 2, 1957,
pp 212-238.

Tech and Com

Sci - Chem

Apr 58

62,256

Synthesis and Properties of Silicon-Hydrocarbons
and Their Derivatives, by A. D. Petrov.

RUESIAN, per, Uspekhi Khim, Vol XXVI, No 3, 1957,
pp 292-344.

Tech and Com

Sci - Chem

A pr 58

X-2892

62,249

Emission Spectra of Organic Compounds in Gaseous
Discharges, by I. Ambrush.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 3, 1957,
pp 345-361.

Tech and Com

Sci - Chem

Apr 58

62,250

Trans-anulaa (Trans-ring) Effect in Macro-Cyclic
compounds, by Ya. L. Gol'bfarb, Velen'kiy.

RUSSIAN, per, Sovetsk Khim, Vol XXVI, No 3, 1957,
pp 362-387.

Tech and Com

Sci - Chem

Apr 58

62,251

Starik, I. E.

ETAT DES MICROQUANTITES DE RADIOELEMENTS
DANS PHASES LIQUIDE ET SOLIDE [Sostoyaniye
Mikrokolichestv Radioelementov v Zhidkoi i Tverdoi
Faze] (Study of Microquantities of Radioelements in
Liquid and Solid Phases) tr. by Schkaff. 13 June 58 [22]p.
40 refs. CEA Trans. no. R 398 (text in French).
Order from OTS or SLA \$2.60 61-15779

Trans. in French of Uspekhi Khimii (USSR) 1957,
v. 26, no. 4, p. 389-398.

A translation in English is available from LC or SLA
mi\$1.80, ph\$1.80 as 59-22232, CTS-446, Apr 58 [9]p.

DESCRIPTORS: *Colloids, Radiochemistry,
*Radioactive isotopes, Phase studies.

Techn. Serv.

\$40.00

*Co-op to scheme
TR 446*

(Nuclear Physics and Nuclear Chemistry, TT, v. 6, no. 6)

61-15779

- I. Starik, I. E.
- II. CEA-tr-R398
- III. Commissariat à l'Energie
Atomique (France)

176520

Office of Technical Services

Reactions Caused by Migration of Hydride-Ion in the
Hydrocarbon Chemistry, by K. D. Nenitsseku.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957,
pp 399-415.

Tech and Com
\$150.00

Sci - Chem

Apr 58

62, 245

Modern Presentation of the Oxidation Mechanisms of
Hydrocarbons in Liquid Phase, by D. G. Knoppe, *Z.K.*
MAY 205, 58 PP.
RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957,
pp 416-458.

Tech and Com
\$380.00

Sci - Chem

Apr 58

ATIC F-TE-9653/V

62,246

Synthesis and Properties of Arylnitromethane, by
S. S. Novikov.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957,
pp 459-493.

Tech and Com
\$240.00

Sci - Chem

Apr 58

62, 247

Electrode Potentials of Metals in Molten Salts,
by Yu. K. Delimarshiy. 3 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957,
pp 494-515.

CTS TT-63-24311
DSIR LLU RTS 1470

Sci. and Tech.

Sci - Chem

RAE 916

Aug 60

122,517

The Great Russian Scientist and Patriot D. I.
Mendeleyev. On the 50th Anniversary of the Death
of D. I. Mendeleyev, by N. A. Figurovskiy.

RUSSIAN, per, Uspekh Khim, Vol XXVI, No 5, 1957,
pp 517-527.

Tech and Com

Sci - Misc

USSR

Biog

Apr 58

62,241

Oxidizing-Hydrolytic Conversion of Organic Compound,
by M. M. Shemyakin, L. A. Shukina.

RUSSIAN, per, Uspekhi Khim. Vol XXVI, No 5, 1957.
pp 528-553.

Tech and Com

Sci - Chem

Apr 58

62,242

Acid-Basic Properties of Metallurgic Cinder, by
L. A. Sh'artzman, I. T. Tomilin.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957,
pp 554-567.

Tech and Com

Sci - Chem

Apr 58

62, 243

Electrophoresis as Inert Carriers, by Rozhe Mun'e.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957,
pp 568-607.

6

Tech and Com

Sci - Electron

Apr 58

62, 244

Mercapto and Mercapto-amino Carboxylic Acids, by
M. N. Tschukina, Ivan Chen'e.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957,
pp 608-624.

Tech and Com

Sci - Chem

Apr 58

62,237

Analytical Chemistry of Neptunium, by I. P. Alimarin,
Yu. A. Zoltov, 32 pp.

RUSSIAN, no per, ^{Uspekhi}~~Uspekhi~~ Khim, Vol XXVI, 1957,
pp 625-639.

Isch - Zoltov
AEC Tr 3048

54,292

Sci - Chem
Oct 57

SLA R-1986

Phase Conversion in Normal Paraffinic Hydrocarbons
With Long Chains, by N. A. Nechitailo, G. B. Ravich.

RUSSIAN, per, Uspekhi Khim., Vol XXVI, No 6, 1957,
pp 640-658.

Tech and Com

Sci - Chem

Apr 58

62,238

Some Problems of the Semiconducted Catalysis
(According to the Material of the International
Congress on Catalysis in Philadelphia), by F. F.
Vol'kenshtein.

RUSSIAN, per, Uspekhi Khim. Vol XXVI, No 6, 1957,
pp 659-672.

Tech and Com

Eci - Chem

Apr 58

68, 239

Modern Presentation of the Action-Mechanism of
Adsorption Indicators, by N. G. Polyanskiy.

RUSSIAN, per, Uspekhi Khim., Vol XXVI, No 6, 1957,
pp 673-677.

Tech and Chem

Sci - Engr

Apr 58

62,240

Thio-Oxides of Alkylenes, by D. V. Yoffe, F. Yu.
Rachinskiy.

RUSSIAN, per. Uspekhi Khim, Vol XXVI, No 6, 1957.
pp 678-689.

Tech and Com

Assoc Tech Sec: RF-1464

Sci - Chem

Apr 58

Dept. 1
The Lab
62, 233
In 62

The Reactions of Aromatic Diazo Compounds With
Unsaturated Compounds, by A. V. Dombrovskiy.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 6, 1957,
pp 689-716.

Tech and Com

Sci - Chem

Apr 58

62, 234

Report on Atomic Weights From 1954-1955, by E.
Uichers.

RUSSIAN, per. Uspekhi Khim, Vol XXVI, No 6, 1957,
pp 717-724.

Tech and Com

Sci - Nuc Phys, Chem

Apr 58

62,235

Mechanism of Some Simple Chemical Reaction Pro-
ceeding Under the Action of Ionized Radiation, by
S. Ya. Pshetakiy. ~~zhetskiy~~, Dmitriev, 68 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 725-767.

CIA 644804

Tech and Com

Sci - Chem

ASTIA Doc No 209909

CSIRO

Apr 58

62,236

Orientation of High Polymer and Its Influence on
Their Physico-Chemical Properties, by Yu. S.
Lipatov.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 768-800.

Asst. Tech. Secy. 1943
Tech and Com M

Sci - Chem

Apr 58

62,229

Reaction of α -Oxides With Ammonia, Amines, and
Other Nitride Compounds, by M. S. Malinovskiy.

RUSSIAN, per, Uspekh Khim, Vol XXVI, No 7, 1957,
pp 801-823.

Tech and Com

Sci - Chem

Apr 58

62,230

Synthesis of Hetero-Bicyclic Condensed Pyrimidine
Systems.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 824-855.

Tech and Com

Sci - Chem

Apr 58

62, 231

Anti-Neutrons Obtained From Anti-Protons at the
Collision With Overcharge.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 856-860.

Tech and Com

Sci -Phys

Arpr 58

62,232

New Information in Field of Synthesis
of Semi-Inorganic Polymers, by K. A.
Andryanov.

RUSSIAN, per, Uspokhi Khim, Vol XXVI,
No 8, 1957, pp 895-922.

CSIRO

Sci - Chem
Jul. 62

203,466

Complex Compounds of Rare-Earth Elements, by E.
A. Terent'eva, 46 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, 1957,
pp 1007-1035.

AEC UCRL Tr 522(L)

Sci - Chem
Jun 60

118,896

Unsaturated Inorganic-Organic Compounds and Their
Polymers, by M. M. Koton. UNCLASSIFIED

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 1125-1141.

*DSIR/TCL 108

Sci - Chem
Oct 58

Energy of Chemical Bonds, by V. N. Kondrat'ev.

RUSSIAN, per, Uspekhi Khim. Vol XXVI, No VIII,
1957, pp 861-894.

Tech and Com

Sci - Chem

Apr 58

62,225

News in the Field of the Synthesis of Heterochain-
Organic (Element) Polymers, by K. A. Andriyanov

RUSSIAN, per, Uspekh Khim, Vol XXVI, No VIII, 1957,
pp 895-922. CIA 7-25195

ATS-RJ-265d
Tech and Com

Sci - Chem

Apr 58

RAE. TU 710

62,226

Chem. Tit Scheme 524

Chemistry of Silicon, by R. Shvarts^z.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No VIII, 1957,
pp 923-935.

Tech and Com

Sci - Chem

Apr 58

62, 227

Plyushchev, V. E. and Shakno, I. V.
ETAT ACTUEL DU DEVELOPPEMENT DE LA TECH-
NOLOGIE DU RUBIDIUM, DU CESIUM ET DE LEURS
COMPOSES [Development and Recent Status of Techno-
logy of Rubidium and Cesium and Their Compounds]
tr. by Kervegant. 6 May 60 [63]p. 157 refs. CEA Trans.
no. R 907 (text in French).
Order from OTS or SLA \$6.60

61-23727

Trans. in French of Uspekhi Khimii (USSR) 1957,
v. 26, no. 8, p. 944-964.
A translation in English is available from LC or SLA
ml\$3.30, ph\$7.60 as AEC-tr-3820 [1960] 45p.

DESCRIPTORS: *Rubidium, *Cesium, Cesium com-
pounds, Rubidium compounds, Separation.

(Chemistry--Inorganic, TT, v. 6, no. 6)

61-23727

I. Plyushchev, V. E.
II. Shakno, I. V.
III. CEA-tr-R907
IV. Commissariat à l'Energie
Atomique (France)

Lech & Com
AEC-tr-3820
176662

Office of Technical Services

Non-Isotopic Radioactive Indicators in the
Analytic Chemistry, by I. M. Korenman.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No VIII, 1957,
pp 936-943.

Tech and Com

Sci - Chem

Apr 58

62,228

Bydin, Yu. F.
METHODE DE SPECTROSCOPIE DE MASSE POUR
L'ANALYSE DE FAIBLES QUANTITES D'IMPURETES
(Mass Spectroscopy Method for Analysis for Small
Quantities of Impurities) tr. by Marcoule. 15 Oct 59
[23]p. 17 refs. CEA Trans. no. R 731 (text in French).
Order from OTS or SLA \$2.60 61-15768

Trans. in French of Usp[ekhi] Khim[ii] (USSR) 1957,
v. 26, no. 8, p. 965-974.
A translation in English is available from MDF \$7.00
as MDF B-146 [1959] 14p.

DESCRIPTORS: *Mass spectroscopy, *Solids, Impuri-
ties, Isotope separation.

For abstract see Technical Translations 3: 196, 1960.

(Physics--Spectroscopy, TT, v. 6, no. 6)

61-15768

I. Bydin, Yu. F.
II. CEA-tr-R731
III. Commissariat à l'Énergie
Atomique (France)

MDF B-146

tech and Com

176519

Office of Technical Services

14 890

GE-1 US-56

TERENT'EVA E. A.

Complex compounds of rare-earth elements

Komplexverbindungen der seltenen Erden

Uspekhi Khim., 28, 1007-1035 (1957)

GE-1: German

US-56: UCRL-Trans-522 (L) - English

Abs.: NSA, 14, No. 14, ref. 13663 (1960) - English

E u r a t o m

Addition of Nitroalkanes to Compounds Containing an
Activated Double Bond, by S. S. Novikov, et al.

RUSSIAN, per, Uspekhi Khim., Vol XXVI, No 10,
1957, pp 1109-1124.

AT3 RJ-1247

Sci - Chem
Apr 60

114,550

Unsaturated Inorganic-Organic Compounds and Their
Polymers, by M. M. Koton. UNCLASSIFIED

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 10, 1957
pp 1125-1141.

Co-op Tr Scheme 535
(L 6.16a.)

Sci-
Jan 58

K-H 6042
SLA TT 64-30115
77,839

New Developments in Organometallic Synthesis, by
K. Ziegler. UNCLASSIFIED

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 10, 1957,
pp 1187-.

*DSIR/TCL Tr 108

Sci - Chem
Sep. 58

(British)

Advances in the Chemical Industry of the Soviet
Union Over a Period of 40 Years, by S. M. Tikhomirov,
I. K. Zamarayev, 51 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11, Nov
1957, pp 1203-1229.

ATIC F-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65, 623

Forty Years of Development of Inorganic Chemistry
in the USSR, by I. I. Chernyayev, 21 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11, Nov
1957, pp 1230-1240.

ATIC F-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65, 624

Soviet Organic Chemistry During 40 Years, by
A. H. Nesmeyanov, M. I. Kabachik, 98 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11,
Nov 1957, pp 1241-1294.

ATIC F-TS-9400/V

MS 85-1628

USSR

Econ

Sci - Chemistry

Jun 58

65,625

Principal Stages in the Development of the
Chemistry of High-Molecular Compounds During 40
Years, by V. V. Korshak, 29 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11,
Nov 1957, pp 1295-1309.

ATIC F-TS-9400/V

USSR

Econ

Sci - Chemistry

Jun 58

65,626

The Development of Chemical Physics in the USSR
During Forty Years, by V. N. Kondrat'ev.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 11, 1957,
pp 1310-1319. ~~9077073~~

ATS RJ-1716

u s s r

Sci - Chem, Phys
Jul 59

90, 452

Rebinder, P. A.
DEVELOPMENT DE LA CHIMIE COLLOÏDALE EN
U. R. S. S. AU COURS DES QUARANTE DERNIÈRES
ANNÉES, tr. by Mme. Bourrely. 27 Oct 59 (73)p.
337 refs. CEA Trans. no. R 748 (text in French).
Order from OTS or SLA \$7.60 61-23752

Trans. in French of Uspekhi Khimii (USSR) 1957,
v. 26, no. 11, p. 1320-1342.

DESCRIPTORS: *Colloids, *Chemistry, USSR.

(Chemistry--Physical, TT, v. 6, no. 6)

61-23752

- I. Rebinder, P. A.
- II. CEA-tr-R748
- III. Commissariat à l'Énergie
Atomique (France)

176673

Office of Technical Services

Advances of Analytical Chemistry Over 40 Years, by
I. P. Alimarin, 16 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 11, 1957,
pp 1343-1354.

~~XXXXXXXX~~

ATS-58L3CR

ATS-RJ-1984

Sci - Chem

Sep 59

Vol 2, No 1

97,241

Polymerization of Olefines Into High Molecular
Products Over Oxidation Catalysts, by A. V.
Topchiyev, et al. UNCL

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 12,
1957, pp 1355-1374.

Co-op Tr Scheme 611
(18.)

Sci - Chem
Mar 59

83,411

S-123/60

(NY-3662)

Thermodynamic and Kinetic Features of the Isotopic
Exchange Reactions of Hydrogen, by Ya. M.
Varshavskiy, S. E. Vaysberg, 55 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, no 12, 1957,
pp 1434-1468.

JPRS 5401

Reverse tr to French CEA R-560

Sci - Chem

Aug 60

125,160

Cyclopentadienyl Compounds of Metals and
Related Compounds, by A. N. Nesmeyanov, E. G.
Perevalova.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 1,
1958, pp 3-56.

RAE 872

Sci - Chem

Jan 61

OTS 67-14052
137,372

OTS TT-63-24293

Structure and Nature of the Bonds in Aromatic
Complexes of Metals, by M. E. Dyatkina.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 1,
1958, pp 57-93.

Assoc Tech Serv RJ-1420
" " " 77K23R

Sci - Chem

Apr 59

86,303

Mechanochemical Transformations and Synthesis
of Polymers, by A. A. Berlin.

RUSSIAN, per, Uspekhi Khim, Vol XIVII, No 1,
1958, pp 94-106.

Assoc Tech Serv RJ-1460
" " " 31K25R

Sci - Chem

Apr 59

85,597

Action Chimique des Atomes Obtenus a la Suite de Transformations Nucleaires, (Chemical Effects of Atoms from Nuclear Reactions), by A. N. Nesmeyanov, ~~Et~~ E. A. Borisov, 95 pp.

RUSSIAN to FRENCH, per, ~~XX~~ Uspekhi Khim, Vol XXVII, 1958, pp 133-161.

Reverse Trans
CEA Tr-R-933

Sci
25 Apr 61

Malkin, V. I.
MOBILITY OF CATIONS IN SILICATES [O
Podvizhnosti Katonov v Silikatakh]. [1961] 11p.
Order from ATS \$19.95 ATS-76N50R

Trans. of Uspekhi Khim[11] (USSR) 1958, v. 27, no. 3,
p. 306-315.

DESCRIPTORS: *Silicates, Ions, Motion.

(Chemistry--Physical, TT, v. 6, no. 8)

61-22345

I. Malkin, V. I.
II. ATS-76N50R
III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/RT-3048

185169

Office of Technical Services

Catalytic hydrogenation of lower paraffinic
hydrocarbons, by G. D. Lyubarskiy.

RUSSIAN, per, Uspekhi Khim, Vol XLVII, No 3, 1958,
pp 316-352.

Assoc Tech Serv RJ-1406

Sci - Chem

Apr 59

85,292

Pyrophoricity in Alloys, by H. Nowotny.

RUSSIAN, per, Uspekhi Khim, No 3, 1958, pp 353-364.

Infosearch Ltd.

Sci - Chem

Sep 59

96,392

The Mechanism of the Action of Inhibitors in Chain
Reactions of Liquid Phase Oxidation, by E. T.
Denisov, N. M. Emanuel, 110 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 4, 1958,
pp 365-402.

SLA 59-10730

Sci - Chem
Sep 59
Vol 2, No 1

97,280

"Poor" and "Good" Solvents of Polymers, by
A. A. Tager.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 4,
1958, pp 481-487.

Assoc Tech Serv RJ-1445
" " " 78K24R

Sci - Chem

Apr 79

85, 320

Present Status of Nuclear Chemistry, by A. A.
Levrukhina, 52 pp.

RUSSIAN, per, Uspekhi Khim USSR, Vol XXVII, No 5,
1958, pp 517-550.

RIS R-756

Sci - Chemistry
Sep 59
Vol II, No 2

98,668

Malinovskiy, M. S.
PREPARATION OF α -OXIDIC COMPOUNDS (Polu-
cheniye α -Oksidnykh Soyedinenii). Mar 61 (35)p.
203 refs. RTS 1759.
Order from LC or SLA mi\$3.00. ph\$6.30 61-19223

Trans. of Uspekhi Khimii (USSR) 1958, v. 27, no. 5,
p. 122-142.

A literature survey shows that three methods are
practical for the production of α -oxide rings: (1) direct
oxidation of unsaturated compounds by peracids, or in
some cases by oxygen in the presence of a catalyst or
by hydrogen peroxide in an alkaline medium; (2) hypo-
chlorination of olefins followed by treatment of the re-
sulting halohydrin with an alkali; and (3) condensation
of carbonyl compounds with esters of α -chloroacetic
acid or with a haloacetophenone to give glycidic esters
or ketoxides.

(Chemistry--Organic, TT, v. 5, no. 12)

61-19223

- I. Oxides--Synthesis
2. Ethylenes--Oxidation
3. Ketones--Condensation
4. Aldehydes--Condensation
- I. Malinovskiy, M. S.
- II. RTS-1759
- III. Department of Scientific
and Industrial Research
(Gr. Brit.)

100050

Office of Technical Services

The Tasks of Chemistry in the Light of the
Decisions of the May Plenary Session of the
C.P.S.U. Central Committee;

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 6,
1958, pp 1-4.

REL M. 2580

Sci - Chem

Jan 62

180, 042

Etat Actuel De La Microscopie Electronique Par
Transparence Et Son Emploi Dans Les Recherches
Physicochimiques, by V. N. Luk'yanov,

RUSSIAN TO FRENCH, per, Uspekhi Khim, Vol XXVII,
1958, pp 690-696.

AEC CEA-Tr-R-759

Sci - Electronics

Apr 60

Mechanisms of Organic Reactions Hydrolysis
and Esterification, by Ya. K. Syrkin, I. I.
Moiseyev, 15 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 6,
1958, pp 717-730.

Assoc Tech Sv 56K28R

ATS RI-1630

Sci-Chem

Jun 59

OTS I, 10

89,700

Thermodynamic Properties of Liquid Alkali Metal-
Containing Alloys, by A. F. Alabyshev,
M. F. Lantratov, et al.
RUSSIAN, per, Uspekhi Khimii, Vol 27, No 8, 1958,
pp 921-937. P911044366
AEC ANL-tr-329

Sci/Materials
Sep 66

311,435
~~309,546~~

Separation of Racemates by Adsorption, by E. I.
Klabunovsky.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, 1958,
pp 949-965.

NLL M. 2951

Sci - Chem

180,003

Jan 62

Vinylation by Means of the Grignard Reaction, by
S. T. Yoffe.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 8, 1958,
pp 1010-1024.

ATS RJ-1629

ATS-35231R

Sci - Chem

Jul 59

90,828

A Brief Survey of the Researches on Isotactic
Polymers, by E. S. Krongauz, A. P. Suprun, 31 pp.

RUSSIAN, per, Uspekhi Khim USSR, Vol XXVII, No 9,
1958, pp 1056-1083.

ATS-75L31R

Sci - Chem
Dec 59
B Vol 2, No 4

102, 788

The Synthesis of Polymer Electrolytes and Their
Application, by E. B. Trostyanskaya, et al. UNCL

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 9, 1958,
pp 1084-1100.

DSIR ^g LUS RTS 1013

12. 2s. 6d.

Sci - Chem
Sep 59

95,826

Glass Plastics, by B. A. Kiselev. UNCL.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 9,
1958, pp 1101-1114.

DSIR LLU RTS 1241

L1.15s. Od. anywhere

Sci - Chem
Oct 59

(possibly ATIC F-TS-9967/III)

9671701

99,465

THE TASKS OF CHEMISTRY IN THE LIGHT OF
THE DECISIONS OF THE MAY PLENARY SESSION
OF THE C. P. S. U. CENTRAL COMMITTEE (Zadachi
Khimicheskoi Nauki v Svete Reshenii Maiskogo
Plenuma TsK KPSS). [1961] [8]p. (foreign text in-
cluded). DSIR NLL M. 2580.
Order from OTS or SLA \$1.10

61-28456

Trans. of Uspekhi Khimii (USSR) 1958, v. 27, no. 6
[p. 1-IV].

DESCRIPTORS: *Chemical industry, Industrial pro-
duction, Growth.

(Engineering-Chemical, TT, v. 7, no. 7)

61-28456

I. DSIR NLL M. 2580

Office of Technical Services

Krongauz, E. S. and Suprun, A. P.
BRIEF SURVEY OF PUBLISHED WORK ON ISOTACTIC
POLYMERS. [1963] 37p. 64 refs.
Order from OTS or SLA \$3.60

63-14326

Trans. of Uspekhi Khimii (USSR) 1958, v. 27 [no. 9]
p. 1056-1083.

Another trans. is available from ATS \$29.75 as
ATS-75L31R [1959] 31p.

DESCRIPTORS: *Polymers, *Stereochemistry, Bibliog-
raphies, *Ziegler catalysts, *Polyethylene plastics,
Propenes, Butenes, Dienes, *Acetal plastics, *Styrene
plastics, *Polyvinyl chloride, *Block polymers,
*Elastomers, Polymerization, Reaction kinetics,
Physical properties, Chemical properties.

Topics include: Production of stereoregular polymers;
mechanism and kinetics of the stereospecific polymeri-
(Materials--Plastics, TT, v. 10, no. 3) (over)

63-14326

1. Title: Isotactic polymers
- I. Krongauz, E. S.
- II. Suprun, A. P.

Office of Technical Services

Study of the Composition of the Light Fractions of
Soviet Crudes, by A. V. Topchiyev, B. A. Kazanskiy
et al, 40 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 10, 1958,
pp 1177-1197.

ATIS MOL-580/III

Sci - Fuels

Oct 60

128,489

Unsaturated Compounds of Silicon, by M. F.
Shostakovskiy, D. A. Kochkin, V. L. Vinogradov,
52 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 10,
1958, pp 1221-1256.

SAL 59-15000

Sci - Chem
Sep 59
Vol 2, No 2

97,989

Elemento-Organic Polymeric Compounds, by K. A.
Andryanov. UNCL

RUSSIAN, par, Uspekhi Khim, Vol XXVII, No 11, 1958,
pp 1257-1303.

AEC NP-R-457
DBIR LIA RTE 1014

~~Possibly~~ ATIC-F-TS 9933/V

L5.17s.6d.

95, 827

Sgi - Chem
Sep 59

Present State of the Electronic Theory of Catalysis
on Semiconductors, by P. P. Vol'kensh~~in~~ⁱⁿ.

RUSSIAN, Uspekhi Khim, Vol XXVII, No 11, 1958,
pp 1304-1320.

ATS RJ-1671

Sci - Chem, *electron*

Jul 59

90,848

Gas-Liquid Chromatography of Liquid Petroleum
Hydrocarbons, by M. E. Podkletnov, B. F.
Bryanskaya.

RUSSIAN, per, Uspekhi Khim, No 11, 1958, pp
1374-1380.

ATS-876.30R

ATS 85-1086

OTS 62-26484

Sci - Chem

Jan 69

105,675

Carbenes (Compounds of Bivalent Carbon Formed
As Intermediates in Organic Reactions), by
I. L. Khurayants, et al.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 12,
1958, pp 1961-1986.

ATS RJ-1876

Sci - Chem

Jan 60

105,077.

(2369-N)

The Organolithium Synthesis of Hydrocarbons and
Their Oxygen-Containing Derivatives, by A. D. Petrov,
Ye. B. Sokolova, Gao Chin-Ian, 7 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVII, No 12,
~~1958~~, pp 1471-1475.

JPRS/P-8-N

Sci-Chem
mar 59

82,643

Chlorocarbons, by N. M. Kogan.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, 1959.

CSIRO

Sici - Chem
Aug 62

211,147

On the Nature of Hydrogen Exchange in Solutions,
by A. I. Shatenstein, 35 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 1,
1959, pp 3-32. 9071403

Sci - Chem

Sep 60

DSI 56

Reverse TRANS.

CEA TR-R-1207

DTIC 64-17592

125,234

Sur la Nature de l'Echange Isotopique de l'Hydrogene
Dans les Solutions, (On the Nature of Isotopic
Exchange of Hydrogen in Solutions), by A. I. ~~Shatenshtein~~
Shatenshtein, 88 pp.

RUSSIAN to FRENCH, per, Uspekhi Khim, Vol XXVIII, No 1,
1959, pp 3-32.

Reverse Trans
CEA Tr-R-1207

Sci
Jun 61

Novoselova, A. V.
FLUORURE DE BÉRYLLIUM ET FLUOROBÉRYLLATES [Fluoridnyi Berillii i Fluoroberillaty [Beryllium Fluoride and Fluoroberyllates] tr. by Kefell. 15 Dec 60 [29]p. (Non-Russian refs. omitted) 34 refs. CEA Trans. no. R 1116 (text in French).
Order from OTS or SLA \$2.60 61-19594

Trans. in French of Usp[ekhi] Khim[i] (USSR) 1959, v. 28, no. 1, p. 33-43.
Translations in English available from LC or SLA mi\$2.70, ph\$4.80 as AEC-tr-3992, 23 Feb 60, 21p. and from OTS \$0.75 as 59-31026, JPRS(DC)-L-1914, 27 Oct 59, 21p.

DESCRIPTORS: *Beryllium compounds, *Fluorides, *Fluoberyllates, Crystal structure, Physical properties, Beryllium, Separation.

(Chemistry--Inorganic, TT, v. 6, no. 6)

61-19594

I. Novoselova, A. V.
II. CEA-tr-R1116
III. Commissariat a l'Energie Atomique (France)

176622

Office of Technical Services

(W)3828).

Some New Forms of the Arbuzov Rearrangement, by
V. A. Kukhtin, A. N. Pudovik, _____

RUSSIAN, per, Uspekhi Khimii, Vol XXVIII, No 1,
1959, pp 96-116.

Sci - Chem

*JPRS

23 Mar 1960

Rare-earth Metal Borides, by G. V. Samsonov,
40 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, 1959,
pp 189-217. *CIA 9660972*

REC AERE Tr-849
**ATIC MCL-149/III*

Sci - Chem
Aug 60

124,015

Rearrangement and Migration of Acyls in
the Aromatic Amine Series, by B.I. Ardashev,
V.I. Minkin.
RUSSIAN, per Usp. Khim., Vol. 28, No. 2,
1959, pp 218-234
NLL/RTS 2290 - 40s Od.

Sci -
Aug 67

337-550

Akhmanov, M. V.

SPECTRES INFRAROUGES D'ABSORPTION DES
MINÉRAUX [Infra-krasnyye Spektiry Pogloshcheniya
Mineralov] [Infrared Absorption Spectra of Minerals]
tr. by S. Szysmans. 18 July 60 [73]p. (105 non-Russian
refs. omitted) 17 refs. CEA Trans. no. R 985 (text
in French).
Order from OTS or SLA \$7.60

61-15802

Trans. in French of Uspekhi Khimii (USSR)
1959, v. 28, no. 3, p. 312-335.

DESCRIPTORS: *Infrared spectroscopy, *Minerals,
Spectroscopy.

(Physics--Spectroscopy, TT, v. 6, no. 2)

61-15802

I. Akhmanov, M. V.

II. CEA-tr-R985

III. Commissariat à l'Énergie
Atomique (France)

103700

Office of Technical Services

Thorium and Its Compounds, by D. I. Ryabchikov,
Ye. K. Golbraykh, 43 pp, UNCL

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 4, 1959,
pp 408-435. 9660814

ATTC MCL -326/III
AEC NI-W-523

Sci - Chem

Apr 61

Telecom 41790

147,895

Mechanism of Polymerization Under the Action of
Organometallic Compounds and Their Complexes,
by M. I. Kisevitchiy,

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 4,
1959, pp 465-483.

ATS RJ-2130

Sci - Chem

May 60

115,416

Kreshkov, A. P. and Bork, V. A.
PROGRESS IN THE FIELD OF ORGANO-SILICON
COMPOUND ANALYSIS (Uspekhi v Oblasti Analiza
Kremniyorganicheskikh Soyedineniy). Nov 60 [50]p.
149 refs. RTS 1712.
Order from LC or SLA m/\$3.30, ph/\$7.80 61-15000

Trans. of Uspekhi Khimii (USSR) 1959, v. 28, no. -
p. 576-604.

A literature survey based Soviet and non-Soviet
sources.

143,320

(Chemistry--Analytical, TT, v. 5, no. 4)

61-15000

1. Silicon compounds
(Organic)--Analyse
2. Silicon compounds
(Organic)--Bibliography
3. Bibliography--Silicon
compounds (Organic)

I. Kreshkov, A. P.

II. Bork, V. A.

III. RTS-1712

IV. Department of Scientific
and Industrial Research
(Ox. Brit.)

Office of Technical Services

The Stereochemical Aspect of the Hydrogen Bond,
by R. Zhonon.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 5, 1959,
pp 605-614.

OTS 60-23572
DSIR LLU RTS 1489

Sci - Chem

Aug 60

122,519

Margolis, L. Ya.

CATALYTIC OXIDATION OF HYDROCARBONS AS A
MEANS FOR THE SYNTHESIS OF MONOMERS.

[1960] 27p.

Order from ATS \$31.60

ATS-22M45R

Trans. of Uspekhi Khim[i] (USSR) 1959, v. 28, no. 5,
p. 615-638.

9080885

141, 162

61-12085

1. Hydrocarbons--Oxidation
2. Metal oxides--Catalytic properties

I. Margolis, L. Ya.

II. ATS-22M45R

III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-RJ-2661

AERE-Tr 860

Harwell

NLL M. 4266

Office of

The Adsorption Theory of Adhesion.
Sect V, (pp 710-74), of 'Contemporary
Views on the Adhesion of High Polymers',
by S. S. Voyutskiy, V. L. Vakula.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII,
No 6, 1959.

CSIRO

Sci - Phys
Dec 61

173, 175

The Electrical Theory of Adhesion, Sect VI,
(pp 714-718) of 'Contemporary Views on the
Adhesion of High Polymers', by S. S. Voyutskiy,
V. L. Vakula.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII,
No 6, 1959.

CSIRO

Sci - Chem
Apr 62

191,431

Silanol, by M. F. Shostakovskiy, et al.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 6,
1959, pp 741-771.

9662359

DSIR LLU RTS 1467

J
*ATIC MCL-437/V

Sci - Chem

Oct 60

128,840

Inorganic Compounds of High Molecular Weight, by
V. V. Korshak, K. K. Mozgova, 57 pp. USCL

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 7,
pp 783-818.

X ATIC MCL-413/V

Sci - Chem

May 60

116,449

Theories Modernes sur la Structure du Charbon,
(Modern Theories on the Structure of Carbon), by R. N.
Smirnov, 62 pp.

RUSSIAN to FRENCH, per, Uspekhi Khim SSSR, Vol XXVIII,
No 7, 1959, pp 826-849.

Reverse Trans
CEA Tr-R-545

Sci
May 61

New Methods of Modifying the Properties of Cellulose,
by Z. A. Rogovin, 15 pp. UNCL

RUSSIAN, ~~bk~~, Uspekhi, Khim, Vol XXVIII, No 7, pp 850-
875.

ATTC MCL-413/I

Sci - Chem

May 60

116,450